

Thursday, 20 August 1987

- 9:45** Workshop, Saal 10 (Room 10)
Fungal Spores in Indoor Air
 Leaders:
 F. Staib, Professor/G. Kunkel, Professor, Berlin (D)
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- 14:00** Symposia Summaries, Saal 3 (Hall 3)
 (Symposia of Wednesday Morning)
 Chair: B. Berglund, Dr., Stockholm (S)
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- 14:30** Plenary Lecture, Saal 3 (Hall 3)
Indoor Air Pollution Control
 D. Moschandreas, Dr., Chicago (USA)
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- 15:15** Symposium, Saal 3 (Hall 3)
Policy and Strategies
 Organizer: D. Walkinshaw, Dr., Ottawa (CDN)
 Chair: R. Türek, Dr., Bonn (D)
- Presentations (15 min. each):**
- Girman J., Wesolowski J., Jenkins P.
The Role of Total Exposure in Air Pollution Control Strategies
 - Oatman L., Lane C.A.
Development of a Comprehensive Indoor Air Quality Program: The Minnesota Experience
 - Herwager S.D., Rowan S.S.
Tradeoffs Between Energy and Indoor Air Quality Considerations
 - Suess M.J.
Indoor Air Quality: Radon and Formaldehyde
 - Nagda N.L., Koontz M.D., Reeter H.E., Nitrong G.D.
Design of a Statewide Radiation Survey
 - Mage D.L., Walkinshaw D., Harper J., Teichman K.
A Proposed Joint U.S.-Canada Study of the Factors Leading to Indoor Air Quality Concerns in the Non-Industrial Workplace
 - Hansen L.
Presentation and Evaluation of a Step-Wise Procedure in Solving Indoor Climate Problems



Tuesday, 18 August 1987

- 15:15** Symposium, Saal 7 (Room 7)
Indoor Air Pollution in Developing Countries
 Organizer: K.R. Smith, Dr., Honolulu (USA)
 Chair: M.R. Pandey, Professor, Kathmandu (Nepal)
- Presentations (15 min. each):**
- Cáceres A., Cáceres E.
Lorena Stoves Acceptance and Household Environment Improvement in Guatemala
 - Mumford J.L., Chapman R.S., Harris D.B., He X.Z., Cao S.R., Xian Y.L., Li X.M.
Lung Cancer and Indoor Exposure of Unvented Coal and Wood Combustion Emissions in Xuan Wei, China
 - Hu H.-S., Liu Y.-C.
Evaluation of Indoor Air Pollution and its Effect on Human Health in Beijing Rural Areas
 - Lui L., Wang L.H.
The Effects of Cooking Fuels on Respiratory Symptoms, Lung Functions, and Carboxyhemoglobins of Non-Smoking Women
 - Pandey M.R., Neapane R.P., Gautam A.
Domestic Smoke Pollution and Acute Respiratory Infection in Nepal
 - Kim Y.-S., Yanagisawa Y., Zong M.-S.
Personal, Indoor and Outdoor NO₂ Measurements in Korea
 - Ramakrishna J.
Cultural, Technological and Environmental Factors Influencing Indoor Air Pollution in Rural India
 - Mishra U.C.
Indoor Air Quality in India
 - Aggarwal A.L., Chatterjee S.K.
Indoor Exposure to Auto Exhaust Pollution on Urban Street Canyon in a Less Developed Country: India
 - Boleij J.S.M., Ruigewaard P., Hoek F., Thairu H., Wafuta E., Onyango F., de Koning H.
Indoor Air Quality in the Maragua Area, Kenya

17:45 Discussion

Tuesday, 18 August 1987

15:15 Poster Session, Saal 6 (Room 6)

Hyperreactivities and Allergies

Co-Chairpersons:
T. Irie, Dr., Tokyo (J)
M. Schata, Dr., Mönchengladbach (D)

Presentations (5 min. each):

- Dave J.M., Anwikar A.K.
Protein and Amino Acids (Allergens)
- Dewair M.
Humoral Immune Responses in Hypersensitivity
Pneumonitis
- Goldstein I.F., Reed C.E., Swanson M.C.
Aeroallergens in New York Inner-City
Apartments
- Johnson A.R., Rea W.J., Butler J.R.,
Fenyves E.J.
Indoor Pollution - Clinical Evaluation and
Treatment
- Rogers S.A.
Diagnosing the Tight Building Syndrome
- Schata M., Jorde W., Elixmann J.H.,
Linskens H.F.
Allergies to Moulds Caused by Fungal Spores in
Air-Conditioning Plants

16:00 Break

16:30 Discussion at Poster Walls (Area D3)

15:15 Poster Session, Saal 8 (Room 8)

Radon: Surveys

Co-Chairpersons:
G.A. Swedjemark, Dr., Stockholm (S)
S. Yoshizawa, Dr., Tokyo (J)

Presentations (5 min. each):

- Dunn J.E., Henschel D.B.
Statistical Aspects of Autoregressive Models in
the Assessment of Radon Mitigation
- Graeffe G., Keskinen J., Janka K., Lehtimäki M.
Indoor Ion Concentration



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9:45

Poster Session, Saal 8 (Room 8)

Policy and Strategies

Co-Chairpersons:
M.A. Berry, Dr., Research Triangle Park (USA)
G. Vollmer, Dr., Bonn (D)

Presentations (5 min. each):

- Armstrong V.C., Walkinshaw D.S.
Development of Indoor Air Quality Guidelines
in Canada
- Bossenmayer H.
Spray Applied Asbestos and Comparable
Products
- Ferahian R.H.
Violations of Building Bylaws, Energy
Conservation and Bad Maintenance as Causes of
Indoor Air Pollution
- Gammage R.B., Kerbel W.S.
American Industrial Hygiene Association Indoor
Environmental Quality Reference Manual
- Nero Jr. A.V.
Elements of Strategies for Control of Indoor Air
Quality
- Oatman L.
Regulating Formaldehyde in Minnesota
- Price P., Grossman M.
Smoking in the Workplace - Canadian Law
- Thron R.W., Thompson M.J., Oatman L.
Regulating Smoking in Public Buildings and
Workplace
- Zingg M.
Questionnaire - A Possibility of Treating Indoor
Problems

10:45

Break

11:15

Discussion at Poster Walls (Area B1)

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11:30 Break

12:00 Discussion

9:45 Poster Session, Saal 6 (Room 6)

Controls: Source Modification and Air Cleaning

Co-Chairpersons:

W.W. Nazaroff, Dr., Pasadena (USA)

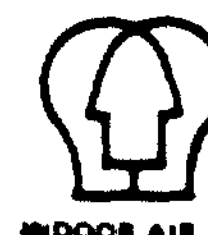
E. Rødahl, Professor, Trondheim (N)

Presentations (5 min. each):

- Chiang P.-C., Chang P.
Low Cost Control Technology for VOCs Emissions
- Hangartner M., Wanner H.-U.
Test Criteria for Air Cleaners
- Monn Ch., Hangartner M., Wanner H.-U.
Indoor Measurements of Nitrogen Dioxide and Sulfur Dioxide in Mechanically and Naturally Ventilated Rooms Compared with Outdoor Measurements
- Narasaki M.
Ventilation Requirements in Building for Control of Body Odor
- Novosel D., Relwani S.M., Moschandreas D.J.
Development of a Desiccant Based Air Conditioner with Indoor Pollution Control Capabilities
- Panzhauser E., Heindl W., Fail A.
Advisory Model Formaldehyde
- Sammaljärvi E.
How to Build a Healthy House

10:45 Break

11:15 Discussion at Poster Walls (Area E3)



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- Henschel D.B., Scott A.G.
Some Results from the Demonstration of Indoor Radon Reduction Measures in Block Basement Houses

- Jansson B., Tholander M., Axelsson O.
Exposure to Radon in Swedish Dwellings - Attitudes and Elimination

- Jönsson G.
Some Radon Measurements Indoors and in Ground in Sweden

- Keskinen J., Lehtimäki M., Janka K.
Reduction of Radon Progeny Concentration by Means of Unipolar Air Ionization

- Moghissi A.A., Seiler F.A., Dellarco M.J.
Enhancement of Exposure to Radon Progeny as a Consequence of Passive Smoking

- Quindos L.S., Fernandez P.L., Soto J.
Building Materials as a Source of Exposure in Houses

- Sanchez D.C., Hubbard L.M., Harje D., Turk B.H.

- The Use of Diagnostic Measurements to Enhance the Selection and Effectiveness of Radon Mitigation for Detached Dwellings

- Strindberg O., Norell L.
Ventilation Measures in Single-Family Houses with High Radon Concentrations

16:15 Break

16:45 Discussion at Poster Walls (Area E1)

15:15 Poster Session, Saal 9 (Room 9)

"Sick Buildings": Indoor Air Quality Research

Co-Chairpersons:

M.J. Finnegan, Dr., London (GB)

H.-G. Meyer, Professor, Berlin (D)

Presentations (5 min. each):

- Berglund B., Berglund U., Engen T.
Do "Sick Buildings" Affect Human Performance? How Should One Assess Them?

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- Collett C.W., Sterling E.M., McIntyre E.D., Steeves J.F., Weinkam J.J.
The Building Performance Database: An Analytical Tool for Indoor Air Quality Research
- Harrison J., Pickering A.C., Finnegan M.J., Austwick P.K.C.
The Sick Building Syndrome - Further Prevalence Studies and Investigations of Possible Causes
- Hedge A., Wilson S., Burge P.S., Robertson A.S., Harris-Bass J.
Indoor Climate and Employee Health in Offices
- Knötg H., Kurtz I., Panzhauser E.
"Sick Buildings" - A Phenomenon of Internal Information Processing?
- Lercher P., Hörtzner J., Kofler W.W.
Possible Combined Health Effects in White Collar Workers by Complex Exposures
- Nguyen V.H., Martel J.-G.
A Field Study in Three Office Towers in Québec, Canada
- Norback D., Rand G., Michel I., Amcoff S.
Overfrequencies of Skin and Airway Symptoms Among Personnel in Sick Buildings and Polluted Industrial Environments in Relation to Exposure
- Rohles Jr. F.H., Woods J.E., Morey P.R.
Occupant Assessment of the Indoor Environment
- Sammaljärvi E.
A Hypothesis on the Mechanisms of the Heat Effects of Mechanical Ventilation and Warm Air Heating
- Stenberg B.
Skin Complaints in Sick Buildings

16:30 Break

17:00 Discussion at Poster Walls (Area D2)



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- Lauridsen J., Muhaxheri M., Clausen G.H., Fanger P.O.
Ventilation and Background Odor in Offices

11:45 Break

12:15 Discussion

9:45 Symposium, Saal 7 (Room 7)

Sources of Volatile Organic Compounds and their Emissions

Organizer: W.G. Tucker, Dr., Research Triangle Park (USA)

Chair: J. Girman, Dr., Berkeley (USA)

Presentations (15 min. each):

- Özkaynak H., Ryan P.B., Wallace L.A., Nelson W.C., Behar J.V.
Sources and Emission Rates of Organic Chemical Vapors in Homes and Buildings
- Tichenor B.A.
Organic Emission Measurements via Small Chamber Testing
- Berglund B., Johansson I., Lindvall T.
Volatile Organic Compounds from Building Materials in a Simulated Chamber Study
- Girman J., Alevantis L., Kullasingam G., Petreas M., Webber L.
Bake-Out of An Office Building
- Knöppel H., Schauenburg H.
Screening of Household Products for the Emission of Volatile Organic Compounds
- Hansen T.B.
Prediction of the Air Concentration Caused by the Use of Household Products Containing Organic Solvents
- Andelman J.B., Wilder L.C., Myers S.M.
Indoor Air Pollution from Volatile Chemicals in Water